**I Claim:**

1. An axial sleeve device for pneumatic tool axle mainly comprises

an axial sleeve, which is in cylindrical shape with a L-shape identically sectional surface, having one end as a protruded flange;

a bushing ring (20) for sleeving on said axial sleeve;

an annular steel balls, which are in contact with other and are arranged as a steel balls ring in corresponding to an annular groove disposed on said axial sleeve and said bushing ring respectively, accordingly, without increasing production cost, said steel balls ring can stand high pressure and can reduce friction and abrasion for prolonged durability of a tool axle.

2. An axial sleeve device for pneumatic tool axle as claimed in Claim 1, an outer shell is used to cover said axial sleeve and to position said axial sleeve and a screw nut.

3. An axial sleeve device for pneumatic tool axle as claimed in Claim 1, said axial sleeve having a threading and said annular groove.

4. An axial sleeve device for pneumatic tool axle as claimed in Claim 1, said axial sleeve having buffer elements and positioning elements.

5. An axial sleeve device for pneumatic tool axle as claimed in Claim 4, said buffer elements could be a pad ring and/or a rubber ring.

6. An axial sleeve device for pneumatic tool axle as claimed in Claim 4, said positioning elements could be said screw nut

and/or a spring pad.

7. An axial sleeve device for pneumatic tool axle as claimed in Claim 1, said bushing ring could be a combination of two or more pieces or in one-piece according to the thickness of said outer shell after different processing methods.

8. An axial sleeve device for pneumatic tool axle, comprises

a locking element for pressing against the surface of said tool axle and said tool axial sleeve;

a middle element is formed by said steel balls annularly and are in contact with each other;

a front locking element for preventing said middle element from loosing,

accordingly, friction coefficient could be reduced but without reduction in output efficiency.

9. An axial sleeve device for pneumatic tool axle, said steel balls ring is disposed on said annular groove and is formed by said steel balls, which are annularly arranged and are in contact with each other.